

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/19/01

Date Received: 04/05/01

Project: Metro Self Monitor, PO# M65750

Date Extracted: 04/18/01

Date Analyzed: 04/18/01

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M65750 104022-01	0.76	0.58	0.79	0.07
Method Blank	<0.05	<0.05	<0.05	<0.05

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QUALITY ASSURANCE RESULTS FROM TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 104060-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.31	0.26	18	0-20
Copper	mg/L (ppm)	0.22	0.23	4	0-20
Nickel	mg/L (ppm)	0.18	0.17	6	0-20
Zinc	mg/L (ppm)	<0.05	<0.05	nm	0-20

Laboratory Code: 104060-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	5	0.31	101	101	80-120	0
Copper	mg/L (ppm)	5	0.22	103	104	80-120	1
Nickel	mg/L (ppm)	10	0.18	106	111	80-120	5
Zinc	mg/L (ppm)	5	<0.05	107	114	80-120	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	5	105	102	80-120	3
Copper	mg/L (ppm)	5	110	105	80-120	5
Nickel	mg/L (ppm)	10	110	109	80-120	1
Zinc	mg/L (ppm)	5	108	107	80-120	1

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

104022

SAMPLE CHAIN OF CUSTODY

KT 4-5-01

A71

Page #

Send Report To GERALD A. ThompsonCompany Alaska Copper WorksAddress 628 Harvard St.City, State, ZIP Seattle WA 98114Phone # 206-382-8379 Fax # 206-382-4505

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

Metro Gold Mantexm 65750

REMARKS

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
m 65750	-01	4/5/01	10:30	H2O	1							✓				

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>Gerald A. Thompson</u>	<u>Acw</u>	<u>4/5/01</u>	<u>11:20am</u>
Received by: <u>[Signature]</u>	<u>Steven Wines</u>	<u>FBI</u>	<u>4-5-01</u>	<u>11:20</u>
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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e-mail: fbi@isomedia.com

April 19, 2001

DUPLICATE COPY

INVOICE #01ACU0419-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M65750 - Results of testing requested by
Gerry Thompson for material submitted on April 5, 2001.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010B @ \$80 per sample	\$ 80.00
Amount Due	\$ 80.00

FEDERAL TAX ID (b) (6)

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3012 16th Avenue West
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TEL: (206) 285-8282
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April 19, 2001

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

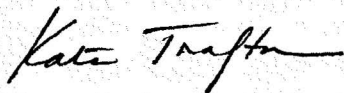
Dear Mr. Thompson:

Included are the results from the testing of material submitted on April 5, 2001 from your Metro Self Monitor, PO# M65750 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton
Project Manager

Enclosures
ACU0419R.DOC